

#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Katsusuke SHIMAZAKE et al.

ATTN: PCT Branch

Application No.: 09/830,928

Docket No.: 109431

Filed: May 24, 2001

For: OPTICAL DISK, DISK SUBSTRATE, AND DRIVING APPARATUS

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**  
**UNDER 35 U.S.C 371 IN THE UNITED STATES**  
**DESIGNATED/ELECTED OFFICE (DO/EO/US)**  
**DECLARATION ALREADY FILED**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on May 22, 2001, the executed Declaration of the inventors was filed on May 24, 2001. A copy of the executed Declaration as filed, a copy of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371, and a copy of the stamped postcard receipt are attached hereto. The surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)) was also paid on May 24, 2001 with our Check No. 119302 for \$130.00.

Entry of these documents on May 24, 2001 should have completed all of the filing formalities. Accordingly, prompt issuance of a Notification of Acceptance and Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Director is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461.

Respectfully submitted,



James A. Oliff  
Registration No. 27,075

Thomas J. Pardini  
Registration No. 30,411

JAO:TJP/zmc

Date: June 5, 2001

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

**DEPOSIT ACCOUNT USE  
AUTHORIZATION**  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT  
United States Patent and Trademark Office  
Washington, D.C. 20231  
www.uspto.gov

U.S. APPLICATION NO.		FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/830928		SHIMAZAKI	K 109431
		INTERNATIONAL APPLICATION NO.	
		PCT/JP99/06202	
		I.A. FILING DATE	PRIORITY DATE
		08 NOV 99	06 NOV 98
		DATE MAILED: 22 MAY 2001	

OLIFF & BERRIDGE  
P O BOX 19928  
ALEXANDRIA, VA 22320

RECEIVED  
MAY 25 2001  
OLIFF & BERRIDGE

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as  a Designated Office (37 CFR 1.494)  an Elected Office (37 CFR 1.495):

U.S. Basic National Fee.  Indication of Small Entity Status.  
 Copy of the international application.  Translation of the international application into English.  
 Oath or Declaration of inventors(s).  Translation of Article 19 amendments into English.  
 Copy of Article 19 amendments.  Other:  
 Priority Document.  
 The International Preliminary Examination Report in English and its Annexes, if any.  
 Translation of Annexes to the International Preliminary Examination Report into English.

2.  Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and/or the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be filed prior to 20 or 30 months from the priority date to avoid abandonment.

U.S. Basic National Fee.  Copy of the international application.

3. The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  
 The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.  
 b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  
 c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.  
 The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  
 d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).

4. Additional claim fees of \$ \_\_\_\_\_ as a  large entity  small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due (37 CFR 1.492(g)). See attached PTO-875.

5.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached PCT/DO/EO/920.

**ALL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 22 OR 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

6. If box 3a or 3c is checked, a translation of the Annexes **MUST** be submitted no later than the time period set above or the Annexes will be cancelled. A processing fee will be required if submitted later than 20 or 30 months from the priority date.  
7.  The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.494(d)) or 30 (37 CFR 1.495(d)) months from the priority date.

Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)

***A copy of this notice MUST be returned with this response.***

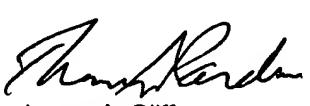
Enclosed:  PCT/DO/EO/917  Notice of Defective Translation  
 PTO-875  PCT/DO/EO/920

Barbara A. Campbell

DOCKETED 2001  
By PK on 5/29/2001  
By hypers on 5/29/2001  
and Omt & Associates

ATTORNEY'S DOCKET NUMBER  
109431

(1390 REV. 5-93) US DEPT.-OF COMMERCE PATENT & TRADEMARK OFFICE  <b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (if known, sec 37 C.F.R.1.5) 09/830,928
INTERNATIONAL APPLICATION NO. PCT/JP99/06202	INTERNATIONAL FILING DATE November 8, 1999	PRIORITY DATE CLAIMED November 6, 1998
TITLE OF INVENTION OPTICAL DISK, DISK SUBSTRATE, AND DRIVING APPARATUS		
APPLICANTS FOR DO/EO/US Katsusuke SHIMAZAKI et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
<b>Items 11. to 16. below concern other document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A substitute specification.</li> <li>15. <input type="checkbox"/> Entitlement to small entity status is hereby asserted.</li> <li>16. <input checked="" type="checkbox"/> Other items or information: Response to Notification of Missing Requirements Declaration Already Filed</li> </ol>		

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 09/830,928	INTERNATIONAL APPLICATION NO. PCT/JP99/06202	ATTORNEY'S DOCKET NUMBER 109431	
17. <input type="checkbox"/> The following fees are submitted: <b>Basic National fee (37 CFR 1.492(a)(1)-(5)):</b> Search Report has been prepared by the EPO or JPO .... \$860.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... \$690.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$1,000.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$ 100.00		<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> <input style="width: 100px; border: 1px solid black;" type="text"/>		\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$	
Claims	Number Filed	Number Extra	Rate
Total Claims	- 20 =		X \$ 18.00
Independent Claims	- 3 =		X \$ 80.00
Multiple dependent claim(s)(if applicable)		+ \$270.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b> <input style="width: 100px; border: 1px solid black;" type="text"/>			
Reduction by 1/2 for filing by small entity, if applicable. - <input style="width: 100px; border: 1px solid black;" type="text"/>			
<b>SUBTOTAL =</b> <input style="width: 100px; border: 1px solid black;" type="text"/>			
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 month from the earliest claimed priority date (37 CFR 1.492(f)).		\$ <input style="width: 100px; border: 1px solid black;" type="text"/>	
<b>TOTAL NATIONAL FEE =</b> <input style="width: 100px; border: 1px solid black;" type="text"/>			
		Amount to be refunded <input style="width: 100px; border: 1px solid black;" type="text"/>	\$
		Charged <input style="width: 100px; border: 1px solid black;" type="text"/>	\$
a. <input type="checkbox"/> Check No. in the amount of \$ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <input style="width: 100px; border: 1px solid black;" type="text"/> in the amount of \$ <input style="width: 100px; border: 1px solid black;" type="text"/> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed.			
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>			
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320			
 NAME: James A. Oliff REGISTRATION NUMBER: 27,075			
NAME: Thomas J. Pardini REGISTRATION NUMBER: 30,411			

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 09/830,928	INTERNATIONAL APPLICATION NO. PCT/JP99/06202	ATTORNEY'S DOCKET NUMBER 109431																
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 2px;">Claims</td> <td style="width: 25%; padding: 2px;">Number Filed</td> <td style="width: 25%; padding: 2px;">Number Extra</td> <td style="width: 25%; padding: 2px;">Rate</td> </tr> <tr> <td>Total Claims</td> <td>- 20 =</td> <td></td> <td>X \$ 18.00</td> </tr> <tr> <td>Independent Claims</td> <td>- 3 =</td> <td></td> <td>X \$ 80.00</td> </tr> <tr> <td colspan="2">Multiple dependent claim(s)(if applicable)</td> <td></td> <td>+ \$270.00</td> </tr> </table>		Claims	Number Filed	Number Extra	Rate	Total Claims	- 20 =		X \$ 18.00	Independent Claims	- 3 =		X \$ 80.00	Multiple dependent claim(s)(if applicable)			+ \$270.00	\$
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<b>SUBTOTAL =</b>		\$																
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<b>TOTAL NATIONAL FEE =</b>		\$																
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SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320																		
 NAME: James A. Oliff REGISTRATION NUMBER: 27,075																		
NAME: Thomas J. Pardini REGISTRATION NUMBER: 30,411																		

**PTO RECEIPT FOR FILING OF PAPERS**

**The following papers have been filed:**

PCT trans ck 119302 \$130 DEC, assg trans ck 119303 \$40 ASSIGN

**Name of Applicant:** Katsusuke SHIMAZAKI et al.

**Serial No.:** 09/830,928

**Atty. File No.:** 109431

**Title (New Cases):**

**Sender's Initials:** JAO/zmc

279/44



**PATENT OFFICE DATE STAMP**

**COPY TO BE STAMPED BY PATENT OFFICE  
AND RETURNED BY MESSENGER**

19

**TRANSMITTAL LETTER TO THE  
UNITED STATES  
DESIGNATED/ELECTED OFFICE  
(DO/EO/US) CONCERNING A FILING  
UNDER 35 U.S.C. 371**

U.S. APPLICATION NO.  
(if known, sec 37 C.F.R.1.5)  
09/830,928

INTERNATIONAL APPLICATION NO.  
PCT/JP99/06202

INTERNATIONAL FILING DATE  
November 8, 1999

PRIORITY DATE CLAIMED  
November 6, 1998

TITLE OF INVENTION  
OPTICAL DISK, DISK SUBSTRATE, AND DRIVING APPARATUS

APPLICANTS FOR DO/EO/US  
Katsusuke SHIMAZAKI et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
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  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
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9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11. to 16. below concern other document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
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13.  A **FIRST** preliminary amendment.
- A **SECOND** or **SUBSEQUENT** preliminary amendment.
14.  A substitute specification.
15.  Entitlement to small entity status is hereby asserted.
16.  Other items or information:

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 09/830,928	INTERNATIONAL APPLICATION NO. PCT/JP99/06202	ATTORNEY'S DOCKET NUMBER 109431	
17. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS	PTO USE ONLY
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<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$130.00	
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<b>SUBTOTAL =</b>		\$130.00	
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<b>TOTAL NATIONAL FEE =</b>		\$130.00	
		Amount to be refunded	\$
		Charged	\$
a. <input checked="" type="checkbox"/> Check No. <u>119302</u> in the amount of <u>\$130.00</u> to cover the above fees is enclosed.			
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.			
c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed.			
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<b>SEND ALL CORRESPONDENCE TO:</b> OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320			
NAME: James A. Oliff REGISTRATION NUMBER: 27,075			
NAME: Joel S. Armstrong REGISTRATION NUMBER: 36,430			

**DECLARATION AND POWER OF ATTORNEY  
UNDER 35 USC §371(c)(4) FOR  
PCT APPLICATION FOR UNITED STATES PATENT**

As a below named inventor, I hereby declare that:  
my residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: OPTICAL DISK, DISK SUBSTRATE, AND  
DRIVING APPARATUS

described and claimed in international application number PCT/JP99/06202 filed November 8, 1999

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed within one year prior to my international application are hereby claimed:

Japanese Patent Application No. 10-315847 filed on November 6, 1998  
Japanese Patent Application No. 11-068489 filed on March 15, 1999

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024;  
Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411;  
Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771;  
Mario A. Costantino, Reg. No. 33,565; and Caroline D. Dennison, Reg. No. 34,494.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	<i>Typewritten Full Name of Sole or First Inventor</i>	<u>Katsusuke</u>		<u>SHIMAZAKI</u>	
2	<i>Inventor's Signature</i>	<u>Katsusuke</u>	<i>Given Name</i>	<i>Middle Initial</i>	<i>Family Name</i>
3	<i>Date of Signature</i>	<u>May</u>	<u>8</u>	<u>2004</u>	<i>Year</i>
	<i>Residence:</i>	<u>Toride-shi</u>	<u>Ibaraki</u>	<u>JAPAN</u>	<i>Country</i>
		<i>City</i>	<i>State or Province</i>		
	<i>Citizenship:</i>	<u>Japanese</u>			
	<i>Post Office Address:</i>	<u>404, 1-2-1, Togashira, Toride-shi,</u>			
	<i>(Insert complete mailing address, including country)</i>	<u>Ibaraki 302-0034 JAPAN</u>			

**Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.**

**IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE**

(Discard this page in a sole inventor application)

1	<b>Typewritten Full Name of Joint Inventor</b>	<u>Yuuji</u>	Given Name	Middle Initial	<u>YAMAZAKI</u>	Family Name	
2	<b>Inventor's Signature:</b>	<u>Yuuji</u>			<u>yamazaki</u>		
3	<b>Date of Signature:</b>	<u>May</u>	Month	<u>7</u>	Day	<u>2001</u>	Year
Residence:	<u>Toride-shi</u>	City	<u>Ibaraki</u>	State or Province	<u>JAPAN</u>		Country
Citizenship:	<u>Japanese</u>						
Post Office Address:	<u>3-11, Toqashira 7-chome, Toride-shi,</u>						
(Insert complete mailing address, including country)	<u>Ibaraki 302-0034 JAPAN</u>						
1	<b>Typewritten Full Name of Joint Inventor</b>	<u>Hikaru</u>	Given Name	Middle Initial	<u>MIZUTANI</u>		Family Name
2	<b>Inventor's Signature:</b>	<u>Hikaru</u>			<u>mizutani</u>		
3	<b>Date of Signature:</b>	<u>May</u>	Month	<u>11</u>	Day	<u>2001</u>	Year
Residence:	<u>Minoh-shi</u>	City	<u>Osaka</u>	State or Province	<u>JAPAN</u>		Country
Citizenship:	<u>Japanese</u>						
Post Office Address:	<u>18-25, Sakurai 1-chome, Minoh-shi,</u>						
(Insert complete mailing address, including country)	<u>Osaka 562-0043 JAPAN</u>						
1	<b>Typewritten Full Name of Joint Inventor</b>	<u>Tsuyoshi</u>	Given Name	Middle Initial	<u>MARO</u>		Family Name
2	<b>Inventor's Signature:</b>	<u>Tsuyoshi</u>			<u>Maro</u>		
3	<b>Date of Signature:</b>	<u>May</u>	Month	<u>9</u>	Day	<u>2001</u>	Year
Residence:	<u>Otokuni-gun</u>	City	<u>Kyoto</u>	State or Province	<u>JAPAN</u>		Country
Citizenship:	<u>Japanese</u>						
Post Office Address:	<u>25, Tatsushima, Ooyamazakicho, Otokuni-gun,</u>						
(Insert complete mailing address, including country)	<u>Kyoto 618-0000 JAPAN</u>						
1	<b>Typewritten Full Name of Joint Inventor</b>	<u>Kenji</u>	Given Name	Middle Initial	<u>OHTA</u>		Family Name
2	<b>Inventor's Signature:</b>	<u>Kenji</u>			<u>Ohta</u>		
3	<b>Date of Signature:</b>	<u>May</u>	Month	<u>11</u>	Day	<u>2001</u>	Year
Residence:	<u>Otokuni-gun</u>	City	<u>Kyoto</u>	State or Province	<u>JAPAN</u>		Country
Citizenship:	<u>Japanese</u>						
Post Office Address:	<u>2-4, Terakado, Shimoueno, Ooyamazakicho,</u>						
(Insert complete mailing address, including country)	<u>Otokuni-gun, Kyoto 618-0081 JAPAN</u>						

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.

(Discard this page in a sole inventor application.)

1	Typewritten Full Name of Joint Inventor	Hiroyoshi	TAKAGI
2	Inventor's Signature:	Given Name <i>Hiroyoshi</i>	Middle Initial Middle Initial
3	Date of Signature:	Month <i>May</i>	Family Name <i>Takagi</i>
	Residence:	City Kameoka-shi	Day 11
	Citizenship:	State or Province Japanese	Year JAPAN
	Post Office Address: (Insert complete mailing address, including country)	23, Ikanotsujikita, Nojoh, Shincho, Kameoka-shi, Kyoto 621-0822 JAPAN	
1	Typewritten Full Name of Joint Inventor	Katsuhiro	TAKAHASHI
2	Inventor's Signature:	Given Name <i>Katsuhiro</i>	Family Name <i>Takahashi</i>
3	Date of Signature:	Month <i>May</i>	Day 10
	Residence:	City Kyoto-shi	Year JAPAN
	Citizenship:	State or Province Japanese	Country
	Post Office Address: (Insert complete mailing address, including country)	605 Kareradeo esute 38, Nakakuzemachi 1-chome, Kuze, Minami-ku, Kyoto-shi, Kyoto 601-8213 JAPAN	
1	Typewritten Full Name of Joint Inventor	Given Name	Middle Initial
2	Inventor's Signature:		Family Name
3	Date of Signature:	Month	Day
	Residence:	City	Year
	Citizenship:	State or Province	Country
	Post Office Address: (Insert complete mailing address, including country)		
1	Typewritten Full Name of Joint Inventor	Given Name	Middle Initial
2	Inventor's Signature:		Family Name
3	Date of Signature:	Month	Day
	Residence:	City	Year
	Citizenship:	State or Province	Country
	Post Office Address: (Insert complete mailing address, including country)		

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

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